

Planetary Forecaster

Learning Set 5.3

What is Different between Lower Elevations and Higher Elevations?

	The Atmosphere is an Ocean of Air.
<p>Questioning</p> <p>Read Page 140</p> <p>Paragraph 1-4</p>	<p>What is an Analogy?</p> <p>Why does the author of the textbook describe the atmosphere as an ocean of air?</p> <p>How are liquids and gases similar and different?</p> <p>The term fluid is used to describe substances like liquids and gases, why?</p>
	How much air is above you at high and low elevations?
<p>Word Study</p> <p>Read 141</p> <p>Paragraph 1-2</p>	<p>Compression means squeezing.</p> <p>The pressure on the molecules at the bottom of the ocean are (less than or greater) than the molecules at the top.</p> <p>Water at the bottom of the ocean is compressed by weight of the water above it. <i>What is causing the compression?</i></p>

<p>Determining Importance / Summarize</p> <p>Read Page 141</p> <p>Paragraph 3-4</p>	<p>Summarize your knowledge of paragraphs 3 & 4 in as few sentences as possible.</p>
<p>Visualization</p> <p>Read Page 142</p> <p>Paragraph 1</p>	<p>Density is the mass of matter (a substance) per unit volume. Draw an illustration that represents density.</p> <p>The bottom of the ocean and atmosphere are denser than the top. Why?</p>
<p>Making Connections</p> <p>Read Page 142</p> <p>Paragraph 2-4</p>	<p>Write about a time in your life that you have experienced a pressure change.</p> <p>What does it mean when your ears pop?</p> <p>How does the diagram on page 143 help to explain why climbers have to use Oxygen tanks when climbing at high altitudes?</p>

What is the Point? (page 143) Write the relationship between air pressure and molecules?